



Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

Volume 3, No. 27

OAK RIDGE, TENNESSEE

Tuesday, July 19, 1949



Y-12 Photos By Vince Moore

the arm of Lillie Cobble—it didn't hurt a bit. However, at right Doctor Scofield—in a strictly "gag" picture, is using a giant syringe just to show what the magnitude of the treatment might be if the ordinary "booster" shot is neglected. Lillie bites her tongue and is having her hand held by Laboratory Technician Blanche Gibbs.

THIS IS AS GOOD A TIME AS ANY TO TAKE THOSE "booster" shots before going on vacation. Dr. Paul Scofield, Y-12 Medical Director, points out that taking one of the preventive treatments now might make unnecessary more drastic attention later. In these pictures, at left, Dr. Scofield is simulating a shot into

Innocation And Yearly 'Booster Shots' Urged As Preventive Against Typhoid Fever

With the travel and vacation season in full sway, physicians are urging all persons to have full protection against typhoid fever—a disease that although showing a drop in cases and deaths over a number of years is still a major health problem. The principal reasons for the decline in improvement in sanitation, particularly in water supplies; typhoid immunizations and more effective control measures applied to individuals.

Camera Club Sets Drive For Members

The Carbide Camera Club is staging a membership campaign for the last half of the year with a goal of substantially increasing the size of the popular organization of amateur photographers. A membership committee of Don Ross, Joe Preslar and Edward Witt, all of Y-12 has been appointed by Harry Bainbridge, also of Y-12, president of the club, to conduct the campaign to line up members for the coming six months.

The semi-annual dues in the Carbide Camera Club is \$1, payable July 1 and January 1. All employees of the three Carbide and Carbon Chemicals Corporation facilities in Oak Ridge are eligible for membership and anyone interested in photography is urged by club officials to join the group. Interesting programs are offered at each monthly meeting and darkroom facilities in club headquarters in the Y-12 East Portal building are available to all members.

Darkroom Custodians Named

For the month of July the custodian of the darkroom is Edward Mann, office telephone 7216 and home telephone 5-1100. The August custodian will be C. J. Barton, of—

(Continued On Page 4)

Seminar To Hear Dr. Householder

Dr. A. S. Householder, of the mathematics panel of the Oak Ridge National Laboratory, will address the regular weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon, July 22. The session will be held in the East Lounge of the Ridge Recreation Hall and the topic of Dr. Householder's talk will be "Mathematical Theory of Communication." All Y-12 physicists and scientists are invited to attend the seminar meetings.

Dr. Paul Scofield, Y-12 Medical Director, points out that typhoid fever may be transmitted by direct or indirect contact with patient or carrier and also through contaminated food, water, milk, shellfish and flies.

Immunization Is Simple

Immunization against typhoid fever, Dr. Scofield declares, is easily accomplished by inoculation with typhoid vaccine any time after the age of one year. The initial inoculation consists of .5cc, one cc and one cc doses of vaccine given at weekly intervals. There is usually only a slight discomfort in reaction to these inoculations, he explained.

"Surely, the trivial discomfort of a possible sore arm for a few days is preferable to a serious and prolonged illness," said Dr. Scofield.

"Booster Shots" Are Urged

After the original inoculations are given, "booster shots" at yearly intervals are advised, particularly where visits are planned to places where typhoid is known to be prevalent or where there is a possibility of contaminated food, water or milk.

As a convenience to all Y-12 employees, typhoid inoculations and the "booster shots" are available at the Y-12 Dispensary.

"Why take a chance when your life is at stake," Dr. Scofield continued, "a little 'booster shot' now will make you secure against this disease or you might face many 'big shots' later that may fail and you will find yourself 'boosted' into the beyond."

LABORATORY PRAISED

The Los Alamos Scientific Laboratory is the finest equipped physics laboratory in the nation, it is reported by Dr. J. H. Manley, technical associate director of the project in a recent issue of the Bulletin of the Atomic Scientists and quoted in the Christian Science Monitor. Dr. Manley also said that much of the Atomic Energy Commission program of research with lighter elements is centered at Los Alamos.



Y-12 Photos By Vince Moore

ONLY ELECTRICIANS ARE AUTHORIZED TO CHANGE fluorescent lamps in Y-12. Here H. K. Bailey is shown removing a burned out tube while H. W. Ditchen is preparing to hand up a new one.

Flourescent Tubes Present Hazard If Broken; Only Electricians Should Change Such Lamps

Serious injury may be suffered by persons handling glass of a broken fluorescent light tube or to anyone in the immediate vicinity when such lamps may be broken, it is pointed out as a precautionary note to all Y-12 employees. For this reason safety rules particularly prescribe that only electricians are authorized to change fluorescent lamp tubes in Y-12.

The danger hazard exists because the fluorescent lamp tubes are coated on the inside with a fluorescent powder called a "phosphor."

SAFETY SCOREBOARD

Your Plant Has
Operated
22 DAYS
Without A Lost Time
Accident
THROUGH JULY 14

The composition of this powder varies, but the "phosphor" usually contains beryllium in amounts ranging from a fraction of a percent to approximately four percent. The lamps also contain a small amount of mercury.

Protective Equipment Worn
In prescribing that only electricians should make changes in fluorescent lamps, Y-12 regulations require them to wear proper protective equipment.

There is danger from any of the powdered material from the surface (Continued On Page 4)

Y-12 May Enter 15 First Aid Teams In Contest

So far at least 10 first aid teams have been organized in Y-12 and are in training for the second annual Carbide and Carbon Chemicals Corporation first aid contest to be held at Blankenship Field Saturday, September 17. Five more teams now are being organized in Y-12 and it appears that 15 teams may represent the plant in the September event.

A three-man committee with representatives from each of the Carbide plants in Oak Ridge is making arrangements for the contest. They include Roy M. James, of Y-12; Lloyd N. Williams, of the Oak Ridge National Laboratory; and J. E. Campbell, of K-25.

Close Competition Seen

Competition in the September contest among teams from the three plants is expected to be close. In the first event last year excellent scores were turned in by all top teams and the training demonstrated was highly praised by United States Bureau of Mines authorities, who judged the contest. With a year of experience behind them, the various plant teams are expected to put on an even better show this year.

The first aid contest enables members of the teams to put into practice the principles learned during the 15-hour courses offered all employees. In the contest each team is given three problems involving administering of first aid to patients simulating various types of injuries. Judging is done on points with speed, accuracy and attention to details of treatment being considered in the judging.

Y-12 Women Won In 1948

In 1948 the Carbide first aid contest drew 36 teams from the three Oak Ridge installations of Carbide and this year even more teams are expected to enter. The 1948 event was won by the women's team from Y-12 which scored 1,498 points out of a possible 1,500, beating out a K-25 Instrument Department team by one point.

The principal change in rules for the contest this year over the 1948 event will have all teams, both of men and women members, competing on the same basis. Last year there were classifications for both men and women. As was the case last year, teams will be composed of seven members including a captain, four working members, a patient and an alternate.

Top Team Gets \$105

The top scoring team in the 1949 contest will receive \$105 in cash and a handsome trophy. The team in each plant with the highest score will receive \$70, the second place team in each plant will get \$35 and the third place team in each plant will divide \$17.50.

Rules of the contest will allow two hours of training each week prior to the contest. The first aid training previously given will be reviewed and the various Y-12 teams are expected to work out several practice problems between now and the date of the contest.

FAIRCHILD IS LAUDED

L. B. Richardson, president of the Fairchild Engine and Airplane Corp., in a letter to stockholders recently, says the company under direction of J. Carlton Ward, Jr., chairman of the board, has "become the recognized leader in atomic energy for the propulsion of aircraft."

Y-12 Bulletin

Published Weekly By
Carbide And Carbon Chemicals
Corporation
Post Office Box P
Oak Ridge Tenn.
GEORGE W. DOBBS . . . Editor

OFFICE
North Portal, Bldg. 9701-1
Telephone 7-8252

Additions To Y-12 Technical Library

MATHEMATICS

Berkeley Symposium On Mathematical Statistics And Probability. Jerzy Neyman, editor. University of California Press, 1949. QA 276; B 513.

Handbook Of Elementary Technical Mathematics. John W. Greenwood and M. I. Chriswell. Prentice-Hall, 1948. QA 39; G 816.

PHYSICS

Quantum Mechanics. First edition. Leonard I. Schiff. McGraw, 1949. QC 174.1; S 333.

Radioactive Measurements With Nuclear Emulsions. Herman J. Yagoda. Wiley, 1949. QC 721; Y 13.

CHEMISTRY

Fourier Technique In X-Ray Organic Structure Analysis. A. D. Booth. Cambridge University Press, 1948. QD 921; B 725.

Progress In The Theory Of The Physical Properties Of Glass. J.M. Stevens. Elsevier Pub. Co., 1948. QD 139.G5; S 843.

Surface Active Agents. A. M. Schwartz and James W. Perry. Interscience, 1949. QD 543; S 399.

PHARMACOLOGY

Pharmacology And Toxicology Of Uranium Compounds. Carl Voegtlin and Harold C. Hodge. McGraw, 1949. (National Nuclear Energy Series: Div. IV; Vol. I, Parts 1 and 2). RS 431.U; V 837.

METALLURGY

Non-Ferrous Production Metallurgy. Second edition. John L. Bray. Wiley, 1947. TN 758; B 827.

Titanium. U. S. Department of the Navy. Office of Naval Research. Washington, D. C., USGPO, 1949.

TECHNOLOGY

Atomic Energy For Military Purposes. Henry De Wolf Smyth. Princeton University Press, 1945. TK 9145; S 667.

Electromechanical Transducers And Wave Filters. Second edition. Warren P. Mason. Van Nostrand, 1948. TK 5981; M 412.

Elements Of Mechanical Vibration. Carl R. Freberg and E. N. Kemler. Wiley, 1949. TA 355; F 849.

Isotopes And Their Application In The Field Of Industrial Materials. Paul C. Aebersold. ASTM Edgar Marburg Lecture, 1948. TK 9145; A 246.

Plastics In Engineering. John Delmonte. Third edition. Cleveland, Penton Pub. Co., 1949. TP 986.A2; D 359.

Process Engineering. First edition. William H. Schutt. McGraw, 1948. TS 155; S 396.

Velocity-Modulated Thermionic Tubes. A. H. W. Beck. Cambridge University Press, 1948. TK 6565.V3; B 393.

LIBRARY SCIENCE

Cataloging Rules For Author And Title Entries. Second edition. American Library Association. Chicago, ALA, 1949. REFERENCE. Z 695; A 512.

Manual For The Arrangement And Description Of Archives. . . S. Muller, J. A. Feith and R. Fruin. Translation of the second edition by A. H. Leavitt. N. Y., H. W. Wilson Co., 1940. CD 952; M 958.

BUSINESS

A Manual Of Style. . . Chicago University. Chicago University Press, 1949. PE 1591; C 532.

Trade-Marks. Harry Bennett. Brooklyn, Chem. Pub. Co., 1949. T 223.V4C5; B 471. Reference.

Hospital List

The following Y-12 employees were patients at the Oak Ridge Hospital recently: Samuel J. Watts, Dept. 2003; Phyllis Brown, Dept. 2300; and Sherman N. Elmore, Dept. 2091.



THEY WERE SINGING "HAPPY BIRTHDAY TO YOU" Monday, July 11, to Carter Haws, who celebrated his third birthday with a party at his home, 189 California Ave. Carter is the son of Claude Haws, Dept. 2300 employee in Y-12, and some of the young guests are children of fathers who work in Y-12. The picture at left shows Carter shooting out the candles on his cake—no sissy blowing for him. The other youngsters, starting from Carter's right hand and going counter-clockwise around the table, are Ann Fortenberry, whose father is Morris Fortenberry, Dept. 2300; Jan Scofield, Greg Bolton, Melissa Marrow, whose father is G. B. Marrow, Dept. 2300; Michael Waldrop, son of F. B. Waldrop, also of Dept. 2300;



Y-12 Photos By Vince Moore

Frances Rogers, who is only showing the top of her head; Joe Ruzicka, Timmy Shear, Tommy Boch, of whom only a portion of his face can be seen and who is the son of Alfred Boch, Dept. 2300; and David Bryant. In the picture at the right the adults in the rear are Mrs. Cleve Marrow, Mrs. Phyllis Marrow and Mrs. Mary Haws, all wives of the Y-12 employees previously listed; and Mrs. Fannie Bryant and Mrs. Lucille Rogers. The youngsters seated are, from left, Melissa Marrow, Janie Fortenberry, Tommy Boch, Michael Waldrop and Frances Rogers. At right of the table standing are Carter Haws, Timmy Shear and David Bryant. At left of the table standing are Joe Ruzicka, Greg Bolton, Ann Fortenberry, Jan Scofield and Pam Owens.



Confidentially yours—Ruby Sanders of The Y-12 Bulletin staff—spent last week vacationing down in the land of the itching palm (Florida that is—to California chambers of commerce). So while Ruby and husband, Fred, of K-25, were visiting Sarasota, Miami and other whistle stops this column was handled by the editor. So right now here's an alibi—the ed. tried his best to get around to everyone but if some of you fine reporters in some departments missed a call last Wednesday or Thursday it wasn't because of lack of interest. Meanwhile a lot of you good folks helped out a lot with contributions and pictures for this edition of the paper.

One of the aforementioned fine contributors was Harvey Keese, Dept. 2320, who with his family and some former Y-12ers, brought back photographic evidence of their vacation in Daytona Beach, Fla. That place is getting to be a Y-12 sub-



urb, it seems, with so many employees liking to bask on the ocean beach there. The accompanying pictures are of Mrs. Keese and daughter, Nanette, and of Harvey and son, Harvey, Jr., who has just finished his second year in the medical school of the University of Tennessee at Memphis. Accompanying the Keese family to Florida were Mr. and Mrs. J. M. Lister, Mr. and Mrs. Newell D. Barker and Mr. and

Mrs. Harry Gillespie. Harvey's niece, Miss Myrtis Adams, of Albany, Ga., returned with the party and is visiting the Keese household here. For further pictorial history of the success of fishing exploits of the party—see Page Three.

Dr. C. P. Keim, Superintendent of Isotope Research and Production in Y-12 and president of the Oak Ridge Lions Club, is in New York City attending the Lions International convention. Joe Preslar, also a Y-12er and holding the impressive title of Lion Tamer in the club, also will be in an Oak Ridge delegation to the convention. He will be accompanied by Mrs. Preslar, the former Esther Swisher, who once worked in Y-12. The Ridge Lions will have their roaring headquarters in the Waldorf-Astoria Hotel.

Ruth Butts, Dept. 2739, participated in a diving exhibition in connection with the opening of the new bath house at the Oak Ridge swimming pool recently.

From Dept. 2090 - Esther Moody is vacationing with relatives in Chattanooga.

Mildred Swan, Dept. 2300, is back on the job with a lot of pleasant memories of a week's vacation spent in traveling through the Deep South. While away she visited some of the lovely old Southern colonial mansions near Natchez, Miss., and thence to Baton Rouge and New Orleans, La., Mobile, Ala., Pensacola and Panama City, Fla.

Jackie Tankersley, Dept. 2142, was one of the big throng of visitors at Gatlinburg on July 4. . . On the same day Margaret Johnson visited her folks at Mooresburg, Tenn., and Emma Puckett traveled all the way to Shelbyville, Ky. . . J. H. Hays is back from a vacation spent in Western Kentucky, where he partook of fishing in the new Kentucky Lake. . . J. D. McGuffin and Mrs. McGuffin spent a few days in Cherry Point, N.C., where his son, Mack W. McGuffin, had been stationed with the United States Marine Corps. Mack was discharged July 9 and returned home with his parents.

Dept. 2142 further reports more on vacations—Georgia Rader is at Morristown, B. B. Thornton (wise guy) left no forwarding address, Juanita Fugate is at Louisa, Ky., David Griffith is in the same classification as Thornton (he didn't say where he was going), E. L. Bailey hopes to do some fishing up around La Follette. . . L. H. Ross and Mrs. Ross received a surprise visit from their son, Pfc Hugh Ross, over the July 4 week end. He is stationed at Keesler Field, Biloxi, Miss. . . Ernest I. Griffin and Mrs. Griffin spent their vacation with their daughter and son-in-law, Mr. and Mrs.

You don't need Safety Clothing For Playing Bridge



You do need Safety Clothing On Hazardous Jobs

E. A. Peters, at Albany, Ga. Peters is a former Y-12er. . . Mary Margaret Norton is making a two-week tour of the West with a group of Oak Ridgers.

Returning vacationers in Dept. 2360 are swapping yarns about Minnesota, Georgia and Myrtle Beach, N.C. L. O. Gilpatrick and the missus spent a week with his parents in Chicago and then retired to Minnesota for another week. . . W. A. (Bill) Burns and Mrs. . . visited his folks in Rome, Ga., and then sped for the ocean at St. Simons Island near Brunswick. B. S. Weaver and family went to Myrtle Beach. . . J. Rand McNally spent his vacation at home entertaining his parents from Massachusetts. . . Meanwhile Paul Hazelton went to Boston, Mass., for his vacation. W. A. Bell, Jr., and Mrs. Bell went to Neely, Miss., to visit her family. . . Fred T. Boody is another vacationer. . . Al Southern spent a busy few days away from work by visiting relatives in Newport and Morristown, Tenn., and fishing in Cherokee Lake and at Tellico Plains.

Dept. 2107 folks send get well quick wishes to Madeline Tackett, who is ill in a Lake City hospital. Rosie Love is on vacation, as is Nancy Gassaway, who is over Lenoir City way.

George Kesterson, Dept. 2093, is away up in Canada on vacation. C. A. Cook is closer to home. . . The department extends deepest sympathy to Paul Jones, whose mother died July 12 in St. Mary's Hospital in Knoxville.

Dept. 2144's report is short and sweet. . . R. H. Evans is vacationing at Carolina Beach, period.

Flossie McGhee, Dept. 2096, has been entertaining Mr. and Mrs. J. B. Foster and family, of Baltimore, Md., for the past two weeks.

Fontana fish are getting smarter. . . They completely eluded the hooks of Sam King and John Orr, Dept. 2077, last week. . . These lads generally bring back big strings but this time—nothing. . . J. L. Crawford is vacationing.

Jim Wilson, Dept. 2003, is recovering from a tonsillectomy. . . Leonard Bledsoe and Sam Watts recently were on the sick list. . . E. R. Watkins spent his vacation journeying to Missouri and Canada but Bill Robbins just stayed around home getting acquainted with his



Only one birth was reported to a Y-12 family at the Oak Ridge Hospital recently. Parents were Mr. and Mrs. Harry Bronstein, and the child was a boy, born July 11.

new son. . . Russell Hopper and George Farrell now can see where they've been as well as where they are going—both have new Studebaker cars.

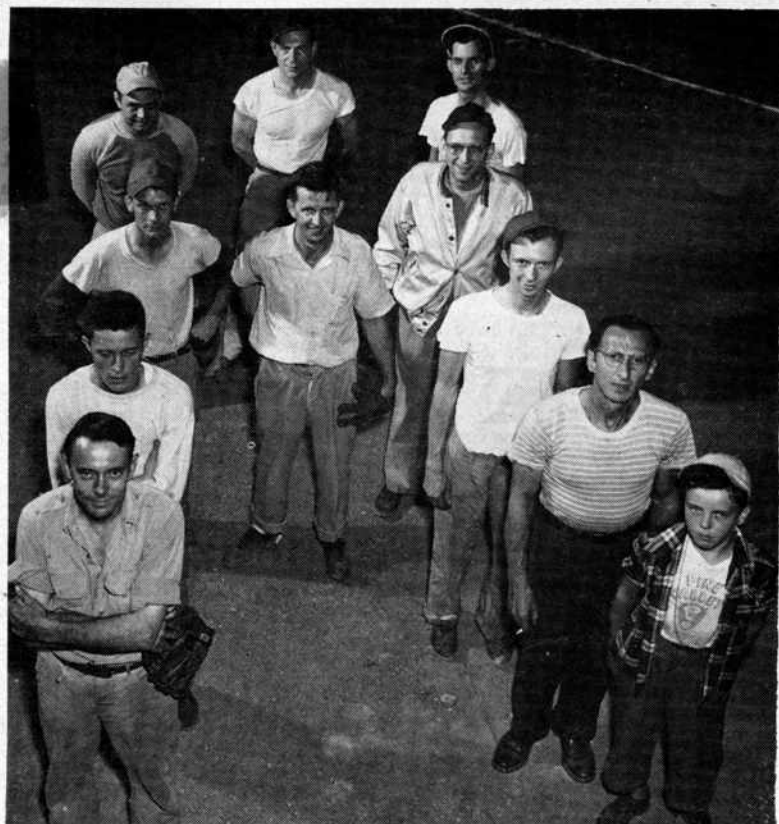
E. C. Long, Dept. 2108, spent part of his vacation at his home in Clinton and part with his parents at Athens, Ga. . . Jean Oliver, and her husband, E. E., of Dept. 2077, drove down to Albany, Ga., to visit his mother.

Vera Rogers, Dept. 2616, is going lots of places and seeing lots of things on her vacation. She is on a bus trip to California and points West and planned to see the Painted Desert, Hollywood, Los Angeles and the cute little bears up in Yellowstone Park. . . Alabama is attractive to G. M. Kirtland, Fred Guttery and J. H. Nicholson, all of whom are spending vacations in that state with their families. . . W. F. McDougal and folks went to Jackson, Tenn., and Sammie West to Cincinnati to see her sister during vacations. Mary Hickman went to Harlan, Ky. . . The picnic season is on again. Employees and members of their families in a group from Bldg. 9212 enjoyed an all-day outing at Big Ridge Saturday and enjoyed bathing and boat riding after a big lunch of chicken and trimmings.

Vacations and more vacations are still the bulk of the news from Dept. 2282. Guy Wells is back from Atlanta. . . Earline and George Banic are at Myrtle Beach with Cora and Bill Brundage, former Y-12ers. . . Don Musser is back from Ohio and Harry King from Virginia and Kentucky. . . Maggie Upchurch was in North Vernon, Ind., Indianapolis and spent July 4 at Coney Island (Cincinnati or New York, Maggie?). . . Alta Lowe, Naomi Brummett, Eula Hays and Ozelle Pass are vacationing. . . Billy Britton is back after being ill but Martha Wright still is ailing. . . Jim Parham now is living in his new home at 213 Oak Road, Norris.

Nothing but vacations are news in Dept. 2300. Nancy Doane visited her folks in Cynthia, Ky. . . John Redman traveled to Yellowstone Park and other points in the West. . . John S. Reece found peace and quiet in Bedford, Iowa. . . D. A. Lee went all the way to Pelican Rapids, Minn., but Julian Hackney just stayed around Knoxville, Big Ridge and Gatlinburg.

(Continued on Page 4)



59314

Y-12 Photos By Vince Moore

HERE ARE THE RIP-SNORTING RIPPERS OF THE Y-12 plant softball league who roared to victory in the first half of the season in loop competition. Around the "R" (for Rippers) from left foreground are J. H. McCullough, C. Cace, L. C. Martin, W. L. Lowery, J. H. Shoemaker, H. W. Babbs, J. R. Gordon, T. R. Webber, Morris Bailes and Mascot Roy Tiller. In the center is J. A. McLean.

Rippers Get Away To Good Start In Second Half; Take First Half

Coming through in the clutch in their last game of the first half of the season in the Y-12 plant softball league, the Rippers turned in a convincing victory over the contending Bums and the All Stars upset the All Americans to give the Rippers a well-earned triumph for the period.

Following up on their first half finish, the Rippers turned in a victory over the Hit Balls on July 11 in their first clash of the second half of the season to get away to a good start. On the same night the Bums bounced back and beat the All Americans. The Rippers won their tilt by the score of 11 to 5, while the Bums had to rally to trim the All Americans by the score of 5 to 4.

In another opening tilt in the second half of play the Isotopes edged the All Stars in a free hitting shindig by the score of 11 to 9. Runs came in bunches, the victors getting nine in the sixth to clinch the clash. Each side got 14 safeties.

By the middle of this week the teams will be well into their second half play. The schedule through next Monday night follows:

Wednesday, July 20
5:45 p.m., All Americans vs Bldg. 9212. 7:15 p.m., All Stars vs Hit Balls. 8:45 p.m., Isotopes vs Bums.
Friday, July 22
7 p.m., Bldg. 9212 vs Rippers. 8:30 p.m., Hit Balls vs Bums.
Monday, July 25
5:45 p.m., Hit Balls vs Isotopes. 7:15 p.m., Bums vs Bldg. 9212. 8:45 p.m., Rippers vs All Stars.

In those two wind up games in the first half of the season the Rippers clinched the crown by convincingly trouncing the Bums by the score of 11 to 4. Noe gave up but five hits and had the situation well in hand after the first inning. The All Stars started early in upsetting the All Americans by the score of 15 to 7 in a slugfest.

Scores of games played between July 8 and July 11 and the standing of the league at the end of the

A bum asked a neatly dressed man on the street for \$1. The man said, "If I give you \$1 you'll spend it for liquor."

"No, I don't drink," replied the bum.

"Then you'll spend it gambling," insisted the gentleman.

"No, I don't gamble," replied the tramp.

"Well, you probably would spend it on women," said the "touched" gentleman.

"No, I never associate with women," insisted the bum.

"Tell you what I'll do, said the gentleman. Come home with me and let my wife see a man who doesn't drink, gamble or run around with women and I'll give you \$5."

Y-12 Softies Play T. And C. Friday; Lose To Knoxville

Hoping to maintain their undefeated record in league play, the Y-12 varsity softball team is scheduled to meet the T. and C. outfit at 9 o'clock Friday night at Pine-wood Park under the lights in the third game of a triple header on tap in the Recreation Softball League. The Eagles and Moose will open the card at 6 p.m., followed by the Wildcats' Den and National Guard.

Y-12 won the first half of the season play without a loss and racked up five victories.

Although undefeated in Oak Ridge play, the Y-12ers lost their first game of the season on the night of July 8 when they dropped a close 3 to 2 decision to the Knoxville Merchants. It was one of the best softball games played in the city this year and Ed Sise, for Y-12, and Hawkins matched pitch for pitch, each giving up but four hits. Each team bobbled twice.

Score by innings of the Y-12 and Knoxville clash follows:

Team	R	H	E
Knox. Mchts	0	0	2
Y-12	0	0	1
Batteries:	Knoxville, Hawkins and Huffaker. Y-12, Sise and Hale, Barker (7).		

first half of play follows:
FIRST HALF GAMES

Team	R	H	E
Bums	2	0	0
Rippers	0	3	0
Batteries:	Bums, Walton and Hale. Rippers, Noe and Lowery.		

Team	R	H	E
All Americans	3	1	0
All Stars	4	8	1
Batteries:	All Americans, Ross and Boatman. All Stars, Tilson and Twitchell.		

SECOND HALF GAMES

Team	R	H	E
Isotopes	0	0	1
All Stars	0	2	6
Batteries:	Isotopes, Killian and Frazier. All Stars, Tilson and Twitchell.		

Team	R	H	E
Hit Balls	4	0	0
Rippers	2	4	0
Batteries:	Hit Balls, Sise and Orange. Rippers, Gordon and Lowery.		

Team	R	H	E
Bums	0	0	0
All Americans	1	0	0
Batteries:	Bums, Walton and Brown. All Americans, Ross and Boatman.		

STANDING END FIRST HALF

Team	W	L	Team	W	L
Rippers	10	2	Bldg. 9212	7	6
All Americans	9	4	Hit Balls	4	9
Bums	8	5	All Stars	3	10
Isotopes	7	5			

Second Half Play In Three Y-12 Tee Leagues Underway

The second half of the season in the three Y-12 golf leagues got underway this week with two rule changes that Recreation Supervisor Arnold Tiller believes will speed up play and enable more matches to be played and less postponed because of the absence of players.

Early Completion Is Required

One of the new rules requires all scheduled matches to be completed within two weeks from the first of the week in which they are listed. The other permits the use of a substitute player on a team where one team member is unable to be present, because of vacation or other reasons.

Explaining the latter rule, Tiller said that the player picked as a substitute must be of the same classification rated by average scores and from a different league than that of the golfer for whom he is substituting.

Schedule Given For Week

The schedule of play for the week beginning July 18 follows for all three Y-12 plant golf leagues.

Birdie League—Olson-Nessle vs Harris-Matlock, Tiller-Grimes vs Dunlap-Crews, Ratien-Henderson vs Barker-Doyle, Foster-Brown vs Cain-Hooker.

Par League—Herndon-Underwood vs Caldwell-Stetson, Keese-Mitchel vs Reynolds-Bernander, Holzknecht-Adkins vs Peterson-Overholser.

Bogey League—Koontz-Lister vs Larson-Tilson, Ludwig-Cotton vs Sherrod-Seymour, Tibbatts-Wannamaker vs Duncan-Hubbard, Orrison-McKay vs Strohecker-Crouse.

With all the available matches reported, the final standings for the first half of the three golf leagues still is uncertain. In none of the three leagues was there an undefeated team, although three teams went through the schedule with but one defeat. Particularly in the Bogey League several matches must be played to determine the winner. Teams that have not completed their schedule are urged to do as soon as possible so that the final standings may be settled.

Here is the standings of the three leagues from all available matches reported:

BIRDIE LEAGUE			
Team	W	L	
Olson-Nessle	6	1	
Tiller-Grimes	6	1	
Ratien-Henderson	5	2	
Cain-Hooker	4	2	
Dunlap-Crews	2	3	
Harris-Matlock	2	5	
Barker-Doyle	1	4	
Foster-Brown	0	7	

Note: Olson-Nessle defeated Tiller-Grimes in playoff.

PAR LEAGUE			
Team	W	L	
Keese-Mitchel	6	1	
Caldwell-Stetson	5	1	
Lavers-White	4	3	
Peterson-Overholser	3	3	
Holzknecht-Adkins	1	2	
Reynolds-Bernander	1	3	
Bowles-Wiest	1	4	
Herndon-Underwood	0	4	

BOGEY LEAGUE			
Team	W	L	
Tibbatts-Wannamaker	4	2	
Orrison-McKay	3	2	
Ludwig-Cotton	3	2	
Koontz-Lister	2	2	
Strohecker-Crouse	1	3	
Duncan-Hubbard	1	3	
Sherrod-Seymour	1	3	
Tilson-Larson	0	1	

Ninth Class Set In Institute

Another class of 32 scientists now is enrolled in the ninth class of the Oak Ridge Institute of Nuclear Studies radioisotope training program, bringing the total number of persons who have attended the courses to 304. The latest group is engaged in studies of radiology, pathology, agronomy, biology, bacteriology, physiology, botany, chemical engineering, physics and chemistry.

MORE INJURIES OFF JOB

Accidents may occur anywhere, it is pointed out by the Metropolitan Life Insurance Co., but in 1947 500,000 more workers were injured away from work than were hurt on the job. Play it safe off the job as well as while at work.

Bowles, Reynolds Meet In Top Flight Finals For Y-12 Golf Title

J. Clyde Bowles and Bill Reynolds were scheduled to battle it out over the 18-hole route last Saturday for the championship flight title in the Y-12 plant-wide golf tournament. Finals in other flights were expected to be played over the week end, but in case of delays because of weather or other reasons the Recreation Office urges all contestants to make every effort to complete play in the tournament before Wednesday, July 20.

In play completed through last Thursday, Bowles also was the medalist of the tournament by posting an 85 over the tough Oak Ridge Golf and Country Club course.

Reynolds Beats Ludwig, Koontz

Bowles drew a bye in the first round of the championship flight play and then bumped Leaders, three and two, to reach the finals. Reynolds advanced by trimming Ludwig and Koontz, both two up. Koontz defeated Lavers, five and four; and Leaders beat Sherrod, three and two in the first round.

Ed Cain took Olson, two up, in the first round of the second flight and then repeated the margin over Orrison to advance to the finals. Cain was to play Caldwell in the finals. Caldwell drew a first round bye, as did Ratien and the pair met in the second round with Caldwell being the victor, one-up. Orrison also had a first round bye.

20-Hole Match Played

Nessle and Mitchel were the finalists in the third flight. Nessle whipped Keese, one up, and then beat Hubbard, five and four. Mitchell dropped Holzknecht, two up, and then eked out a one up to win over Dunlap on the 19th hole. In the first round Arnold Tiller carried Dunlap to the longest match of the tournament up to the finals with Dunlap being forced to shoot a birdie on the 20th hole for a one up triumph. Hubbard beat Tibbatts one up in the first round.

Second round matches had not been played in the fourth flight up to Friday. In first round engagements Brown beat Henderson two up, Harris topped Foster by the same score and Adkins defeated Herndon by one up. Grimes drew a bye in this flight.

White Goes To Finals

Joe White surged through to the finals in the fifth flight by whipping Hooker three and two and then scoring a one up win over Crews. He was to meet the winner of the Matlock-Cotton scrap for the title. Matlock beat Koons three and two and Cotton had a bye. Crews walloped Doyle three and two in the first round.

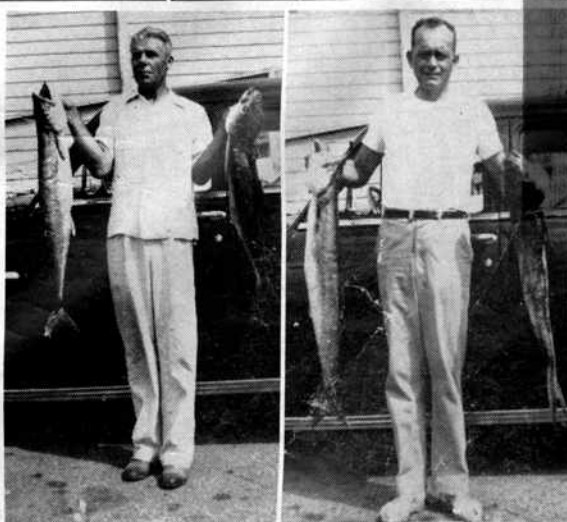
Winners in all flights will receive handsome trophies for their feat and a prize also will be awarded the player with the low score of the tournament.

Table of Expectancy: Something that proves by statistics that you won't live as long after you're 60 as you did before.

"We had a record crowd at church last night."
"Did you have a new minister?"
"Naw, the church burned down."

HARVEY KE-

ese, left, Dept. 2300, and Newell D. Barker, a former Y-12 employee, were Public Enemies Nos. 1 & 2 (take your choice) to finny denizens of the Atlantic Ocean off Daytona Beach, Fla., recently. In the pictures above they pose with some prime king mackerel caught on a one-day jaunt to the deep sea fishing spaces during which time the party of fishermen brought back more than 200 pounds of



catch. One of Keese's haul, held in his left hand, is a vicious crab-eating fish known as the cobia. All of the rest of the finny victims shown are king mackerel, good fighters in the water and good eating on the table.

**CARBIDE AND CARBON
CHEMICALS CORPORATION**
P. O. Box P.
Y-12 Area
Oak Ridge, Tenn.
(RETURN POSTAGE GUARANTEED)

Sec. 562, P.L.&R.
U. S. Postage
PAID
Oak Ridge, Tenn.
Permit No. 3

Dept. 2077 Maintains Top Place In Race

Staying on top in the attendance race in the Major League is getting to be a habit with Dept. 2077, Electrical Equipment Repair and Maintenance, which held that position for the ninth time in ten weeks for the week ending July 10. For two weeks prior to that period, the department had reported no absences, but it slipped slightly for the most recent reporting period and had .61 per cent of its personnel absent.

Close behind in second place in the Major League was Dept. 2320, Electromagnetic Research Laboratory, with an absentee mark of only .64. That department was in sixth place the preceding week. Remaining in third place was Dept. 2360, Isotope Research and Production, which reported an absentee percentage of 1.1 for the week ending July 10.

Seven Departments Perfect

Seven departments, all in the Minor League, reported perfect attendance records for the week ending July 10, the same number as was listed the preceding week. Of this number, three were repeaters. They were Dept. 2096, Laundry; Dept. 2093, Fire; and Dept. 2133, Manufacturing Offices.

Joining these three departments were Dept. 2107, Cafeteria and Canteen; Dept. 2109, Employee Relations; Dept. 2001, Janitors; and Dept. 2143, Receiving and Shipping. Second place was taken by Dept. 2739, Uranium Control and Computing, with an absentee record of 1.1 per cent. Third place went to Dept. 2743, Steam Plant, with 2.4 per cent of its personnel absent.

Plant Absenteeism Increases

The plant absentee average for the week was 2.3 per cent, an increase of .3 per cent from the previous week. The standing, by departments, follows.

MAJOR LEAGUE More than 50 Employees Scheduled				
Dept.	Absent Percentage	7-10-49	7-3-49	Standing
2077	0.61	1	1	1
2320	0.64	2	6	2
2360	1.1	3	3	3
2142	1.4	4	7	4
2015	1.9	5	5	5
2014	2.1	7	4	6
2283	2.4	8	2	7
2282	2.9	9	11	8
2300	3.4	10	10	9
2093	3.6	11	9	10
2616	4.2	12	8	11

Group absentee percentage was 2.3 per cent, .2 per cent higher than the preceding week.

MINOR LEAGUE 15-49 Employees Scheduled				
Dept.	Absent Percentage	7-10-49	7-3-49	Standing
2096	0.0	1	1	1
2093	0.0	1	1	1
2133	0.0	1	1	1
2107	0.0	1	1	1
2109	0.0	1	3	2
2001	0.0	1	9	3
2143	0.0	1	5	4
2739	1.1	2	1	5
2743	2.4	3	2	6
2065	2.92	4	8	7
2619	2.94	5	7	8
2130	3.3	6	-	9
2009	3.8	7	4	10
2008	4.5	8	10	11
2060	4.68	9	11	12
2060	4.68	9	1	13
2200	5.1	10	6	14
2002	5.6	11	12	15
2064	5.8	12	1	16

Group absentee percentage was 2.4 per cent, .4 per cent higher than the preceding week.

The plant average for the week ending July 10 was 2.3 per cent, .3 per cent higher than the preceding week.

Smoking In Bed Dangerous Habit

Smoking in bed is a bad—and sometimes fatal—habit. According to statisticians of the Metropolitan Life Insurance Co., it stands out as a leading cause of fatal burns in the home. Men are said to be the worse offenders.



Eight Y-12 Men Take U-T Graduate Work

There are eight Y-12 employees enrolled in the Oak Ridge Resident Graduate Program conducted by the University of Tennessee, according to E. A. Waters, dean of the program. A total of 89 students are registered in the summer quarter graduate courses, which began June 2 and continues through August 25.

The eight Y-12 men enrolled, their Y-12 departments and courses being taken include William P. Arndale, Dept. 2300, Chemistry 581 and Chemistry 643; Albert Clark, Dept. 2300, Chemistry 581; Paul Frederick Dunn, Dept. 2360, Physics 541; Jay E. Hammell, Dept. 2320, Physics 541; Royce Jerome Jones, Dept. 2320, Physics 451; Harold Curtis McCurdy, Dept. 2320, Chemistry 581; Henry Malcolm McLeod, Jr., Dept. 2300, Mathematics 461; and John Winslow Morfitt, Dept. 2200, Physics 541.

Chess Team Of Y-12 Plays ORNL "A" Team On Monday

The Y-12 chess team was tied with the Independents for third place in the Oak Ridge Chess Club City League following matches of July 11, each team having five points won to their credit. The Y-12ers are scheduled to meet the Oak Ridge National Laboratory "A" team at 8 o'clock Monday night, July 25, at the Ridge Recreation Hall, after playing the ORNL "B" team Monday night of this week.

In the matches July 11 Y-12 was able to take only two decisions from the Independents while dropping three. Y-12 victories were turned in by Crouse over Cox and Hill from Eskildson. Independent triumphs were scored by Ruley over Allen, Smith over Coleman and Jackson over Nessle.

The ORNL "B" team was leading the league after the July 11 round with six points won and the Fairchild team was second with 5.5 points. The ORNL "A" team had 4.5 points and K-25 had four.

Carbide Wives Set Meeting Wednesday

The Carbide Wives will hold their regular July meeting Wednesday night, July 20, at 7:30 o'clock in the Ridge Recreation Hall. Bridge and rummy will be played and wives of all Y-12 employees are invited to attend. Mrs. George Peach is the board member in charge of the meeting and hostesses will be Mesdames Arthur Snyder, Robert Gray, Donald Cline, H. T. Hendrickson, L. T. Murphy and J. A. Marshall.

Don't Lose One Minute Of Vacation Pleasure; Heed Sensible Rules Of Safety; 'Take It Easy'

Sunning at the seashore, loafing at the lake, touring the highways, or just "hibernating" at home, vacation time is a period of relaxation and enjoyment, and you can't afford to let carelessness or neglect rob you of one minute's pleasure. Well, you don't have to paste safety stickers on your luggage, but you may find it a good idea to take along these timely tips when you start your vacation.

Take your sunshine in small doses. Even mild sunburn is painfully uncomfortable, but a severe sunburn which covers a large portion of the body is dangerous. Protect yourself from the full intensity of the sun's rays until you develop a coat of tan. Keep always in mind that sunstroke may be caused by long and direct exposure to the sun.

Look Before You Leap

If you like to go swimming you will want to remember that it is dangerous to go in the water immediately after eating. It's always a good idea, too, to have someone along . . . even if you're a good swimmer. If you are learning to swim, seek a competent instructor. There's also a proper way to dive. Examine the place where you plan to dive. If you dive in shallow water, or to a rocky bottom you may injure your back severely, or break your neck. In other words, look before you leap. If you have sinus or ear infections, better get medical advice before you try any diving.

For fun and good exercise, canoeing and rowboating are unexcelled.

Likewise, sailboating or motorboating. Small boats, however, tip easily and can be dangerous if not handled correctly. Never stand up in a small boat. Permit no overcrowding. If your boat should capsize, cling to it until help comes; don't attempt to swim off alone.

Be Careful Of Sunburn

Be careful, too, of sunburn and windburn while boating. Exercise the same caution against these burns as you would on land.

Pleasant vacation weather invites motoring, and "Sunday drivers" are on the road every day of the week. Many drivers are unfamiliar with highways, crossroads, and other traffic conditions . . . so you will want to be careful.

If you plan a vacation trip by car, map out your route and schedule your stops well in advance, providing for a reasonable amount of driving each day and permitting yourself, or other drivers, enough rest. Before you start, have your car checked by your mechanic, to be sure that lights, brakes, tires and other parts are in tiptop condition.

Watch Out For Pedestrians

Be careful of pedestrians. Children will be out of school and enjoying their vacations. Drive safely; don't spoil their fun.

If you are going to "rough it" this vacationtime, and spend most of your days outdoors camping and hiking, you must remember that you will face additional hazards. Walking through tall grass or underbrush has its dangers, because that's where ticks which spread

spotted fever may lurk. To prevent this contamination, be sure that your lower limbs, especially, are well protected by suitable clothing. Carry a snakebite outfit in poisonous snake country.

If you suffer from hay fever you will want to avoid localities where you will be exposed to ragweed pollen or other plant pollens to which you are allergic.

Skin poisoning, occurring from direct contact with any part of the poison ivy, poison oak, or poison sumac plant, causes a painful, itching eruption of blisters. The surest way to stay out of trouble is to learn what these plants look like and then to shun them. Your dictionary probably has illustrations of these plants.

Water May Be Contaminated

Water, even if it looks clear, may be contaminated with germs. Don't drink water unless you know that it has been tested and approved for drinking. When uncertain, you can make it safe by boiling or, if this is impossible, by adding chlorinating tablets.

Take a first-aid kit along with you. Give prompt attention to even the smallest scratch or cut.

Yes, no matter how you plan to spend your vacation, you will want to remember these three little words . . . take it easy! If you are middle-aged or older, or if you take little or no exercise, enter into vacation activities slowly. Do not engage in sports unsuited to your age and habits.

Flourescent Tubes Present Hazard

(Continued from Page 1)

of the glass entering a wound or cut, if a tube is broken. In addition there is critical danger of breathing the powder if a tube is broken. As little as 25 millionths of a gram (microgram) of beryllium per cubic meter of air has been known to cause acute poisoning.

If a fluorescent lamp falls from its socket and breaks, everyone in the vicinity should leave the area at once. After giving the powder time to settle, the area where the lamp has fallen and all broken material from the tube should be sprinkled with water. This prevents the powder and dust from being stirred into the air. After these precautions have been taken a wet broom or rag should be used to sweep the debris into a pan.

Never attempt to perform this work or pick up pieces of the broken glass or tube with bare hands. Thick leather-palm gloves should be used and the gloves should be discarded with the broken glass.

Electricians Will Remove Debris

After the debris is assembled it should be placed into a container such as a large manila envelope, paper or cloth sack or similar container. The Y-12 Electrical Equipment Repair and Maintenance Department, telephone 7365, then should be called. This department, No. 2077, will pick up the container with the broken glass and other debris and properly dispose of it. Broken fluorescent or burned out fluorescent tubes should never be placed in ordinary trash cans.

Some departments may wish to utilize an especially designed covered trash can for temporary storage of the wrapped debris.

Crushed Tubes Are Buried

The Electrical Department is now set up to adequately and properly dispose of all fluorescent lamp tubes, broken and unbroken. The unbroken tubes are crushed with a wet process completely isolated and protected in Bldg. 9620-2. After the container of crushed lamp tubes is filled it is taken to a proper location and buried.

Fluorescent tubes that are broken at home should be handled with the same precautions as previously described. The tubes, gloves, rags and other material used in handling the broken glass should immediately be disposed of by burying them as deep as possible in an isolated spot of ground.



(Continued From Page 2)

Dr. C. E. Larson, Y-12 Superintendent, is spending his vacation in Minnesota. Marie Greenway is visiting in California, while H. J. Ratjen, also of Dept. 2200, is back from a trip to the mountains.

Another short report from Dept. 2064. . . T. C. Swindell has moved into his new home at Norris. . . Still another short note. . . Dept. 2109 reports Robert T. Cantrell spent a vacation at Fontana Dam.

Dept. 2015 has V. L. Peppers, J. T. Williams and E. W. Mynatt on vacation. J. S. McGhee and family have returned from Myrtle Beach.

Thanks everybody—for this fine collection of information about one another. As the unique radio character in Knoxville would say—"It's potato puttin' on time so here we go."

New Health, Welfare Groups Are Formed

Dr. C. L. Brumback has been appointed chief of the Oak Ridge Public Health Department and Herbert C. Clark named head of the Welfare Service Department. It has been announced by the Office of Community Affairs of the Atomic Energy Commission. Formerly there was one Health and Welfare Department in the city but this has been abolished and its activities assigned to the two newly established departments.

Dr. Brumback is a native of Denver, Col., and came to Oak Ridge in June, 1948. He was appointed director of public health in September of that year. Clark came to Oak Ridge in September, 1947, as director of welfare services. He also serves as executive secretary of the Oak Ridge Community Chest, executive secretary of the Oak Ridge Welfare Council and consultant to the Citizens' Fund Raising Screening Committee.

NEW CANCER TEST SEEN

Dr. Shields Warren, director of the Division of Biology and Medicine for the Atomic Energy Commission, is quoted by the Washington Post as declaring that a new blood test for cancer developed by Dr. Charles B. Higgins, of the University of Chicago, may prove the greatest single advance ever made in the fight against cancer.

Camera Club Sets Drive For Members

(Continued From Page 1)

fice telephone 7327, home telephone 5-2680. Members wishing to use the darkroom are asked to make reservations through these custodians.

Members of the club served as their own judges in the color slide contest on the subject of flowers held at the July meeting of the club last Tuesday night, July 12. A total of 19 excellent entries were placed in the competition.

Ramsey Wins Slide Contest

First place was taken by John Ramsey with a brilliant and beautifully placed transparency of a red rose against a pale blue background. Edward W. Bailey placed second with a slide showing a red rose against a strong background of black lace. Herman Dickerson's slide of two artistically centered "ragged robins" placed third. Nat Stetson took first honorable mention with a slide showing apricot colored gladioli and Ramsey took second honorable mention with a study of pink hibiscus.

In addition to the slide contest for members, a display of 100 color slides that won top honors in a competition held last year by the magazine, Camera, was held. The national prize winning transparencies were closely studied by club members for technique used.

There will be no meeting of the Carbide Camera Club in August, but the September session will be the annual salon of the club. This is a major program with the finest black and white prints and color slides on all subjects being entered.

Miniature Atomic Pile Developed

The magazine Science Digest reports that a miniature atomic pile, safe and cheap enough for use in college laboratories, has been developed to give students a first-hand knowledge of nuclear energy. Robert H. Schuler and Dr. William H. Hammill, of the University of Notre Dame, told the American Chemical Society that the use of a small amount of a mixture of the elements radium and beryllium permits "experiments in which the students produces radioactive isotopes much the same as in the atomic pile."

Conservative: A guy who does not think anything should be done for the first time.